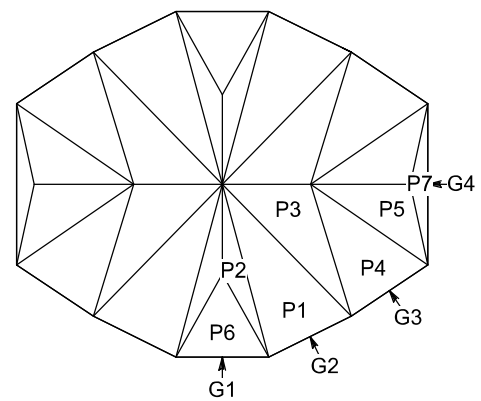
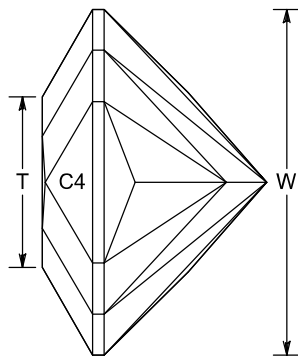
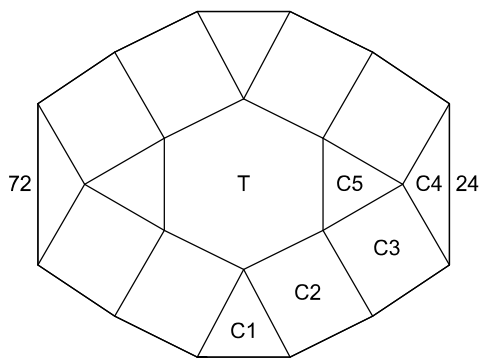


60

48

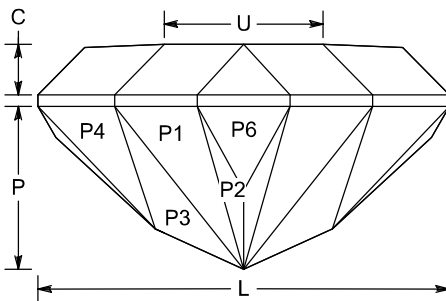
36



84

&lt;96&gt;

12



## Tesselation 35 (N)

Suite: Tesselation Party!

by Arya Akhavan (September 2014)

Angles for R.I. = 1.540

39 + 12 girdles = 51 facets

2-fold, mirror-image symmetry

96 index

L/W = 1.192 T/W = 0.494 U/W = 0.461

P/W = 0.471 C/W = 0.146

Vol./W<sup>3</sup> = 0.279

### PAVILION

P1	42.85°	07-41-55-89	Cut to centerpoint.
P2	42.30°	04-44-52-92	Meet at culet.
P3	42.30°	08-40-56-88	Meet at culet.
G1	90.00°	96-48	Set stone width.
G2	90.00°	07-41-55-89	Level girdle.
P4	42.80°	09-39-57-87	Meet P1, P3, G2
P5	43.12°	21-27-69-75	Meet P3, P4
G3	90.00°	09-39-57-87	Level girdle.
G4	90.00°	24-72	Meet P4, P5, G3
P6	45.30°	96-48	Level girdle.
P7	60.26°	24-72	Level girdle.

### CROWN

C1	29.97°	96-48	Set girdle width.
C2	27.00°	07-41-55-89	Level girdle.
C3	27.00°	09-39-57-87	Level girdle.
C4	45.48°	24-72	Level girdle.
C5	2.20°	24-72	Meet C3, C4 (optional)
T	0.00°	Table	Meet C1, C2; C2, C3, C5

This is a variant of the N-type tessellation designs from my suite. It's basically Tesselation 34 with the ends cut off, but it works in a much higher range of RIs because of it. Plenty of scintillation in this design, and again, C5 is totally optional and can be overwritten with the table if you want. Works in materials from quartz to YAG (RI = 1.54 - 1.83) with no changes.

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